


PCT

FORM PTO-1390 (REV 1-98)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 81844.0048	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NUMBER (if known, see 37 C.F.R. 1.5) Not assigned <b>10/563009</b>	
INTERNATIONAL APPLICATION NO. PCT/JP2004/010248		INTERNATIONAL FILING DATE 12 July 2004 (07/12/04)		PRIORITY DATE CLAIMED 24 July 2003 (07/24/03)	
TITLE OF INVENTION Silicon Based Thin Film Solar Cell					
APPLICANT(S) FOR DO/EO/US Toru SAWADA, Yohei KOI, Toshiaki SASAKI, Masashi YOSHIMI, Masahiro GOTO and Kenji YAMAMOTO					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</p> <p>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>b. <input type="checkbox"/> have been transmitted by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>					
Items 11. to 16. below concern document(s) or information included:					
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</p> <p><input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input type="checkbox"/> Other items or information:</p>					

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.51) <b>10/563009</b> <small>Not assigned</small>		INTERNATIONAL APPLICATION NUMBER PCT/JP2004/010248		ATTORNEY'S DOCKET NUMBER 81844.0048	
17. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5)):</b> Basic National Fee ..... \$300 National Stage Search Fee ..... \$400 National Stage Examination Fee ..... \$200  <div style="text-align: right;"><b>TOTAL FEE AMOUNT =</b></div>				<b>CALCULATIONS PTO USE ONLY</b>      	
TOTAL FEE AMOUNT =				\$ 900.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).				\$ 0	
CLAIMS	NUMBER FILED	NUMBER ALLOWED	NUMBER EXTRA	RATE	
Total claims	8	20	0	X \$50.00	0
Independent claims	1	3	0	X \$200.00	0
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				X \$360.00	0
SIZE FEE <u>32</u> (TOTAL PAGES OF SPEC AND DRAWINGS TOGETHER)			\$250 for each additional 50 sheets	X \$250.00	0
<b>TOTAL OF ABOVE CALCULATIONS =</b>				900.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 C.F.R. § 1.27. The fees indicated above are reduced by 1/2.					
<b>SUBTOTAL =</b>				900.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)).				\$ 0	
<b>TOTAL NATIONAL FEE =</b>				900.00	
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property +				\$ 40	
<b>TOTAL FEES ENCLOSED =</b>				940.00	
\$				<b>Amt. Refunded</b>	\$
				<b>Amt. charged</b>	
a. <input type="checkbox"/> Checks in the amounts of \$ and to cover the above fees are enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 50-1314 in the amount of <u>900.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1314. A duplicate copy of this sheet is enclosed.					
<b>NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>					
SEND ALL CORRESPONDENCE TO: <input checked="" type="checkbox"/> Customer Number <b>000026021</b> →					
HOGAN & HARTSON L.L.P. 500 South Grand Avenue, Suite 1900 Los Angeles, California 90071 Phone: 213-337-6700 Fax: 213-337-6701			 SIGNATURE Dariush G. Adli REG.NO. 51,386 Express Mail Label No. EV 667 735 875 US Date: December 28, 2005		

Transmittal Letter to the United States Designated Office (DO/US)—Entry Into National Stage under 35 U.S.C. 371—PTO 1390 [13-7]

10/563009

IAP15 Rec'd PCT/PTO 28 DEC 2005

PATENT

Attorney Docket No: 81844:0048

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Toru SAWADA et al.

Serial No: Not assigned

Filed: December 28, 2005

For: Silicon Based Thin Film Solar Cell

Art Unit: Not assigned

Examiner: Not assigned

CERTIFICATE OF MAILING VIA U.S. EXPRESS MAIL"Express Mail" Mailing Label No. EV 667 735 875 US

Date of Deposit: December 28, 2005

Mail Stop PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that

- ☒ two copies of a letter of transmittal
- ☒ patent application ( 24 page(s) of specification; 8 claim(s); 1 page(s) of abstract
- ☒ 7 sheet(s) of formal drawings
- ☒ executed Declaration and Power of Attorney
- ☒ assignment of the invention to KANEKA CORPORATION
- ☒ Preliminary Amendment
- ☒ Information Disclosure Statement with 7 references
- ☒ return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 C.F.R. § 1.10 on the date indicated above and are addressed to:

Mail Stop PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Date: December 28, 2005

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Joanna Alonso

Name of person mailing papers



Signature